# **Selected Topics from INT**

"Precision beats variety" - R. Rapp

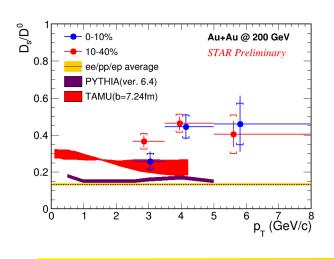
- v<sub>2</sub> and R<sub>AA</sub> vs. p<sub>T</sub> and centrality
- yields and spectra
- chemistry

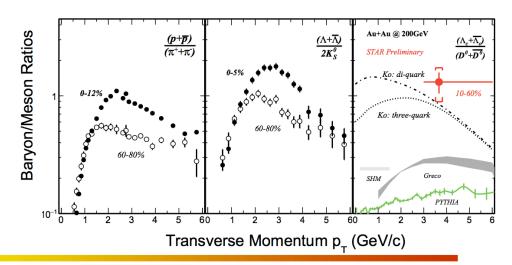


## **Charm Chemistry**

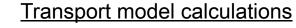
$$2\sigma_{c\bar{c}} = D^0 + D^+ + D_s^+ + \Lambda_c^+ + \text{c.c.}$$
 60.8% 24.0% 8.0% 6.2% M Lisovyi, et. al. EPJ C 76, 397 (20)6)

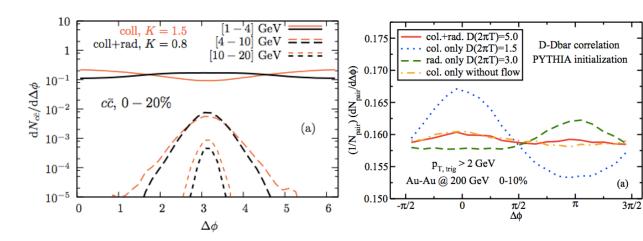
- Medium modification of resonance structures
  - D\*/D0, D+/D0 ratios may be modified in heavy ion collisions
- 2) Coalescence hadronization
  - Ds/\(\Lambda\) enhancement in heavy ion collisions

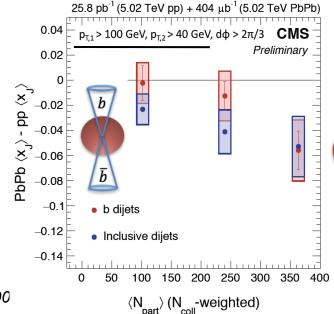




#### **Charm Correlation**







M. Nahrgang et al, PRC 90 (2014) 024907

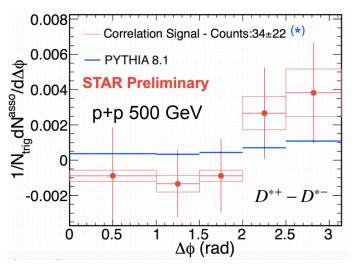
S.S.Cao et al, PRC 92 (2015) 05490

More sensitive to energy loss mechanisms

Complementary measurement to address medium properties

Experimentally direct D-Dbar correlation at low-intermediate pT - very attractive technically

- also explore many other proxy channels (D-e, D-K etc.)



# backup

## Money Plots for MVTX

